

NOTICE

All drawings located at the end of the document.

ENGINEERING ORDER

APPROVAL SIGNATURES

Rund

TYPE OF ACTION				TYPE OF FUNDING						INITIATOR	
ENGINEERING	REVIEW	FINAL		LI	GPP	PIP	CEP	FIPA	EXP	EXT.	DATE
DRAWINGS	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3855	10/21/91
CONCEP. DES REPORT	<input type="checkbox"/>	<input type="checkbox"/>		TYPE OF CONSTRUCTION						PROJ. ADM.	
DESIGN CRITERIA	<input type="checkbox"/>	<input type="checkbox"/>		MAINT. CPFF ALARMS EP						K.L. MOSS	
PROCUREMENT (SPECS)	<input type="checkbox"/>	<input type="checkbox"/>		QUALITY ASSURANCE LEVEL						EXT. 3808 DATE 10/21/91	
TITLE I	<input type="checkbox"/>	<input type="checkbox"/>		I, II, III (CIRCLE NOS.)						FUNCT. MGR. C.A. BICHER	
TITLE II	<input type="checkbox"/>	<input type="checkbox"/>		INSPECTION REQ'D						EXT. 5025 DATE 10/21/91	
MWO	<input type="checkbox"/>	<input type="checkbox"/>		SOURCE YES <input type="checkbox"/> NO <input type="checkbox"/>						FOA (FINAL & FCO ONLY) G.S. HOXE	
T II REVISIONS	<input type="checkbox"/>	<input type="checkbox"/>		RECEIVING <input type="checkbox"/>						EXT. 3644 DATE 11-11-91	
AS BUILTS	<input type="checkbox"/>	<input type="checkbox"/>		CONSTRUCTION <input type="checkbox"/>						HS&E (FCO ONLY) 2M RESEKED	
OTHER (CM)	<input type="checkbox"/>	<input type="checkbox"/>		EO COORDINATOR						EXT. 7765 DATE 11-15-91	
PROCUREMENT	SPECS AND/OR DWGS			SUSAN M. REUMONT						ACTUAL EO DIST. DATE 12-18-91	
CONSTRUCTION	ISSUE			LUSAN M. REUMONT						EXT. 5051 DATE 12/18/91	
OTHER ACTION (SPECIFY)				CONCURRENT REVIEW - PROPOSED ACTION							
DISTRIBUTION				DESCRIPTION OF DOCUMENTS							
BLDG				DOC				TITLE			
PROJ. ADMINISTRATOR MOSS				030				1) EPR - BUILDING 891 ELECTRICAL UPGRADE			
FPM GROUP MGR (NAME)								2) ENGINEERING ASSURANCE COMMENTS			
PROJECT ENGINEER (NAME) TRANQUAR				080				3) SCOPE - CONTRACT MODIFICATION: ONE OCTOBER 1991			
USER (NAME) BUZE				T1008				4) MODIFICATION TO CONTRACT 93054WP 881 HILLSIDE REMEDIAL ACTION, PHASE IIA - PROCESS TREATMENT SYSTEM			
FINANCIAL PLANS & REPORTS				111				5) QUANTITY VERIFICATION PLAN			
FPM MGR				130				DRAWING NO. ISSUE TITLE			
FE MGR				130				986147-1M A PEROXIDATION FEEDER PLAN			
CONSTRUCTION MGMT MGR BLAIR				T690M				986147-2M A BLDG 891 MCL FRONT ELEV			
COST ESTIMATING				120				986147-3M A ELECTRICAL INSTALLATION DETAIL			
HSE								38548-735 A BLDG 891 PEROX. UNIT POWER CABLE			
BLDG MANAGER KOPPEX				T1008				38549-739 A " " " "			
COMMUNICATIONS SYSTEMS				111				ISSUED CONCURRENT REVIEW - FINAL - PERFECT			
PLANT PROTECTION				121				AS 11) CONSTRUCTION RECEIVED ACTION			
UTILITIES MGR				124				ISSUED CONCURRENT REVIEW PROPOSED ACTION			
UTL AREA MGR LYONS				881							
AREA MAINT ENGRG				334							
MAINT. AREA MGR (NAME)				334							
ALARM & SURVEILLANCE				119							
ENGR CONT. SYST. (REPRO)				130							
PURCHASING				131							
GENERAL ACCT				850							
TELECOMMUNICATIONS				112							
PLANT & AREA ENGRG MGR				130							
PROCESS & WASTE ENGRG MGR				130							
PU REC. A. WASTE PROC. ENGRG. MGR				130							
WASTE W. ENGRG. MGR				130							
RCRACERGLA COORDINATOR				130							
PU REC. PROC. ENGRG. MGR				130							
ALARMS/COMM. ENGRG. MGR				130							
MET. PROCESS ENGRG. MGR				130							
PLT. ELEC. ENGRG. MGR				130							
PLANT UTILITIES ENGRG. MGR				130							
CIVIL STRUCT. ENGRG. MGR				130							
CONTROL SYSTEMS DEV.				861							
CHEM. SYSTEMS DESIGN MANAGER				130							
PRESSURE VESSEL ENGR				130							
PROD. ASSY. & TEST PROC. DES. MGR				130							
BOA COORDINATOR (NAME)				130							
ENERGY ENGR				124							
WASTE W. ENGR				T3248				2 2 2			
WASTE COMPLIANCE				750							
EMERGENCY PLANNING COORDINATOR				111							
FACILITY PLANNING IE				850							
FILTER SYS. MGR				T442A							
SECURITY SYSTEM				T7500				2 2 2			
PU OPERATIONS				111							
SAFEGUARDS SYSTEM				T750F							
FIRE PROTECTION ENGR				331							
PLANT SERVICES MGR				331							
WATER & CNTRL. SYS. DEV.				861							
PUMP COORDINATOR				130							
PLANT POWER GP				562							
CREF CONTRACTOR				T690A							
NUCLEAR CRIT. SFTY CGM				771							
CONF. CONTROL BOARD				T371C							
NON-NUC. B. YOUNG - PBT				T690F				1 1 1			
CAPP MGR				T683B							
ISM SPECIAL PROJ. & SER				850							
ISM SYSTEMS & OPNS				861							
RCRACERGLA PROG. MGR				750							
TRANSPORTATION											
ENVIRONMENTAL											
DOE/EPER DOE DIST. GRIFFITH				116							
TERRY GIBSON				T450							
GARY ANDERSON				T1008							
DAVE BURKESTON				T1008							
ELVIS HANCOCK				T1008							
TOTAL NO. OF COPIES				31				31			

EG&G
DOE OPERATING CONTRACTOR
ROCKY FLATS PLANT
P.O. BOX 464
GOLDEN, COLORADO 80402

CONTRACT MODIFICATION: ONE
DATE: OCTOBER 1991

SUBJECT: REMEDIAL ACTION, 881 HILLSIDE, PHASE IIA - PROCESS TREATMENT SYSTEM
AUTH NO. 986147, CONTRACT NO. 93057WF

The following revisions shall be incorporated to the drawings section of the subject project:

TECHNICAL PROVISIONS

1. The Contractor shall install two (2) 200 amp switches and Junction box mounted on B-line channel frame to feed Peroxidation unit per new Drawings 38548-738 and 38548-739.
2. The Contractor shall add 3" GRC to existing conduit supports for 3 #600 KCMIL, Type THHN, and 1 #4/0 AWG, Type THHN, ground to feed unit from existing MCC section per Drawing 38548-739.

Reviewed for Classification

By GB L @

Date 12-18-91

DOCUMENT COMMENTS/RESOLUTIONS

AUTH/MWO NO. 986147 EO NO. 32870 Bldg. # 891
 Document Title REMEDIAL ACTION, 881 HILLSIDE Page 1 of 2
 Reviewer's Name BRUCE FISHER EO Dist. Date 11/15/91
 Phone No./Organization 3598 / ENG. ASSURANCE Comment Date 11/15/91
 Check One
 Review Final X
 FCO
 Concurrent
 Other

No	Reference Page/Para/Dwg, etc.	Comments Show Actual Proposed Rewording, If Possible	A C C	R E J	Proposed Resolution (Include Responsible Party) or Technical Justification for rejection	Date Closed
1	DRAWINGS	DRAWINGS SHOULD BE ISSUED AS OFFICIAL RFP DRAWINGS (REQUIRE OFFICIAL TITLE BLOCK, SIGNATURES AND PLANT DWG NUMBERS).	X		DRAWINGS HAVE BEEN MADE OFFICIAL RFP DWGS 38548-738, 739	12/17/91
2	DWG 986147-M3	SECTIONS 'A' + 'B' OF DWG ARE NOT SUFFICIENTLY DETAILED TO CONSTRUCT THE B-LINE CHANNEL FRAME: a) HOW ARE POST BASES ATTACHED TO FLOOR? b) WHAT SIZE LAG SCREW TO ATTACH TO ROOF? c) WHAT TYPE OF FITTINGS TO ATTACH CHANNEL MEMBERS TO EACH OTHER? (OR WELDING?) NOTE: THE PICTORIAL REPRESENTATION OF THE B-22B MEMBERS ANNUALLY CORRESPONDS TO	X		B-LINE CHANNEL FRAME HAS BEEN DETAILED ON DWG 38548-738. DETAILED 38548-738 SPECIFIED ON 38548-738 FINISHES SPECIFIED ON 38548-738	12/17/91

ACC = ACCEPT REJ = REJECT 8-22B MEMBERS, ~~BE~~ CLARIFY.

DOCUMENT COMMENTS/RESOLUTIONS

AUTH/MWO NO. 986147 EO NO. 32870 Check One 891 Bldg. # 891

Document Title REMEDIAL ACTION, 881 HILLSIDE
PHASE IIA - PROCESS TREATMENT SYSTEM

Reviewer's Name **BRUCE FISCHER** EO Dist. Date _____

Phone No./Organization 3598 / ENG. ASSURANCE

Check One

Review	
Final	X
FCO	

Concurrent

Other _____

Bldg. # 891

Page 2 of 2

Comment
Date 11/18/91

[illegible]

ACC = ACCEPT REJ = REJECT

PROJECT NUMBER: 980647

EO NUMBER: 32870

TITLE: 8X1 Remod. action.

Items may not be in construction sequence.

Notify Verification Agency of item at least five (5) days (off-site) or 24 hours (on-site) in advance.

Do not continue work on an activity beyond a item without authorization from the Verification Agency.

#	VERIFICATION ITEM	ACCEPTANCE CRITERIA	PHASE ¹	AGENCY ²	H/W ³
1.	VER. of CIRCUIT Breaker Performance.	SE107 Rev. C PAR. 1, 2, 3, 4, 5	INST.	FI	H
2.	VER. of CONFIGURATION	SE107 Rev. C PAR. 1, 2, 3, 4, 5 33548-7381-739 1850EA 980647-AM3 15500-A 12/1/91	INST.	FI	H
3.	INSPECT CONDUIT & RACOWAY	SE102 Rev. A PAR. 2, 3, 4, 5, 6	INST.	FI	H
4.	INSPECT WIRES	SE103 Rev. B. PAR. 1, 2, 3, 4, 5, 6	INST.	FI	H
5.	VER. of OVERALL WORKMANSHIP	NEC 110-12	INST.	FI	H

NOTES:

1. Verification Phase: PROC = Procurement, FAB = Fabrication, INST = Installation
2. Verification Agency: FI = Facilities Inspection, C = Approved Contractor, JAJ = J. A. Jones
3. H = Hold Point (Mandatory), W = Witness Point (Option of Verification Agency)

REV	FQE	Name	Signature Date	ENG.	Name	Signature Date	DESCRIPTION OF CHANGE
0			11/06/91				
1							
2							REVISIONS (DATE MADE) 11/06/91 JAJ
3							

FI Verification of satisfactory completion at project closeout

Name

Signature

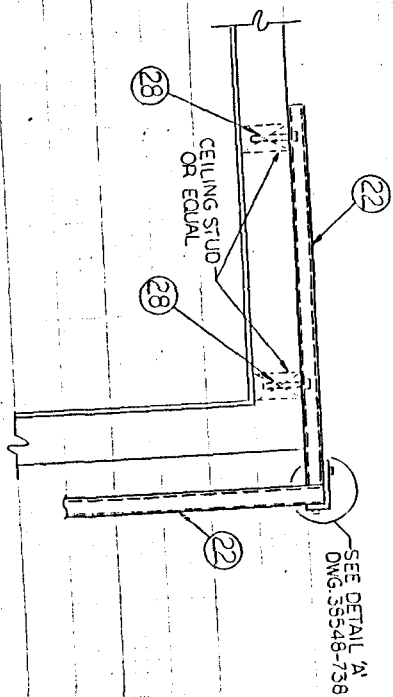
Date

QUALITY VERIFICATION PLAN

PROJECT NUMBER: 986147

EO NUMBER: 3787D

[illegible]

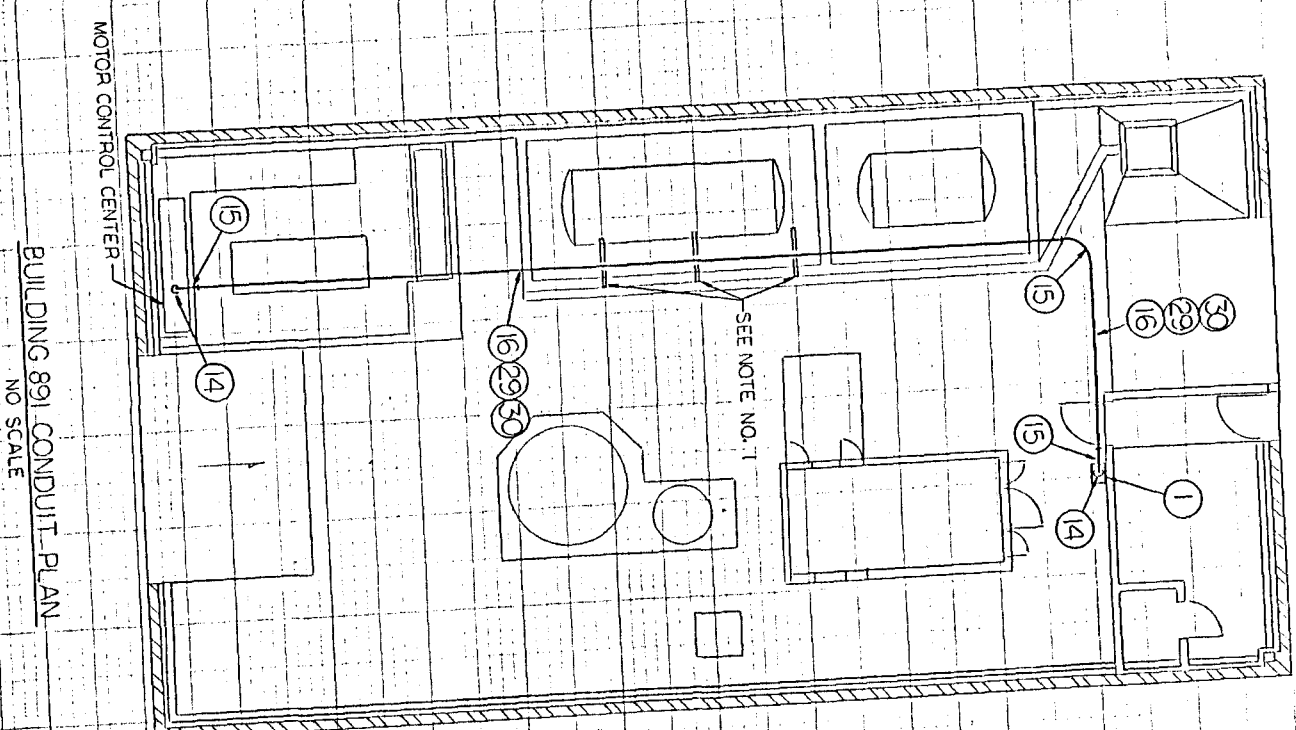


SECTION C
DWG #38548-738
NO SCALE

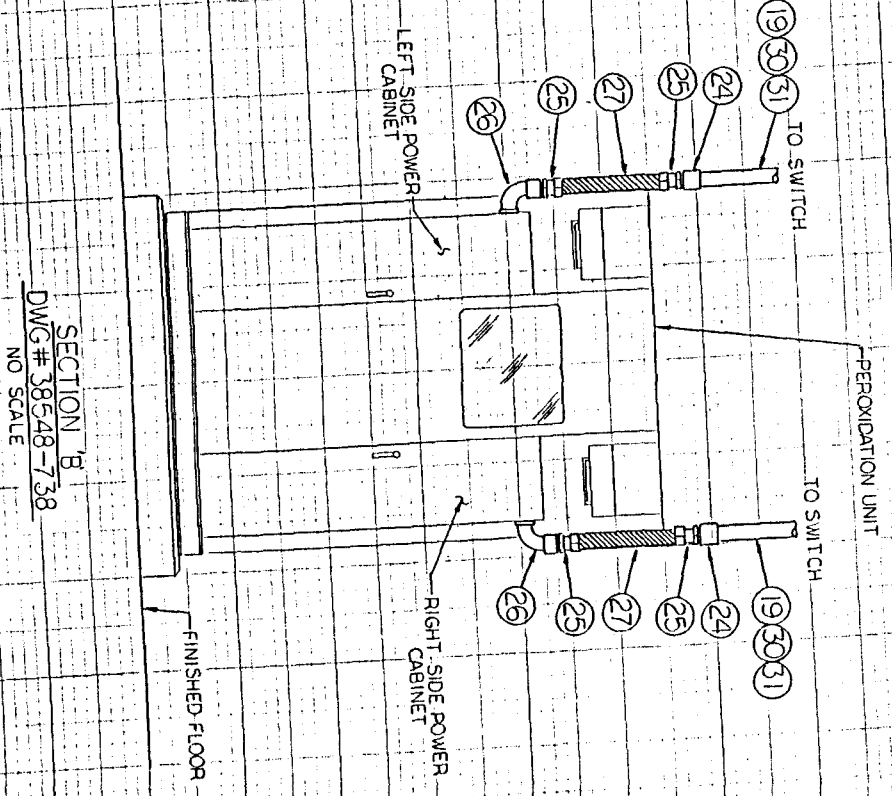
PART	QTY	DESCRIPTION
24	2	3/2" GALVANIZED RIGID PVC COATED CONDUIT
25	4	2 1/2" LIQUID TIGHT STRAIGHT MALE CONNECTOR WITH INSULATED THROAT BUSHING, CROUSE-HINDS # LTB250
26	2	2 1/2" 90° ANGLE MALE LIQUID TIGHT CONDUIT FITTING WITH INSULATED THROAT BUSHING, CROUSE-HINDS # LTB250
27	6	2 1/2" TYPE TEF. GRAY FLEXIBLE LIQUID TIGHT CONDUIT, RYAL # R1400250
28	4	3/8" DIA X 5' LONG, STAINLESS STEEL HEX HEAD LAG SCREW, MASTER-CARR # 92351A644
29	500	# 600 KCML, TYPE THHN, COPPER, 600 VAC
30	500	# 40 AWG, TYPE THHN, COPPER, 600 VAC
31	100	# 2 AWG, TYPE THHN, COPPER, 600 VAC
32	6	2 BOLT CONNECTOR, ILSCO # DBA-800
33	2	2 BOLT CONNECTOR, ILSCO # DBA-20

NOTES

- EXISTING CONDUIT SUPPORT SYSTEM AND ALL CONDUIT FITTINGS NOT OPERED WITH A PVC COATING, SHALL HAVE A COATING OF PLASTI-BOND TOUCH UP COATING COMPOUND APPLIED OVERALL.
- THE FOLLOWING ROCKY FLATS PLANT STANDARDS SHALL BE ADHERED TO:
 - SE-103 STANDARD FOR ELECTRICAL WIRING
 - SE-112 STANDARD FOR BUILDING ELECTRICAL RACEWAY SYSTEMS
 - SX-163 STANDARD FOR INSTALLING AND TORQUING THREADED FASTENER CONNECTIONS
 - SX-164 STANDARD FOR PLANT SYSTEM AND COMPONENT IDENTIFICATION AND LABELING

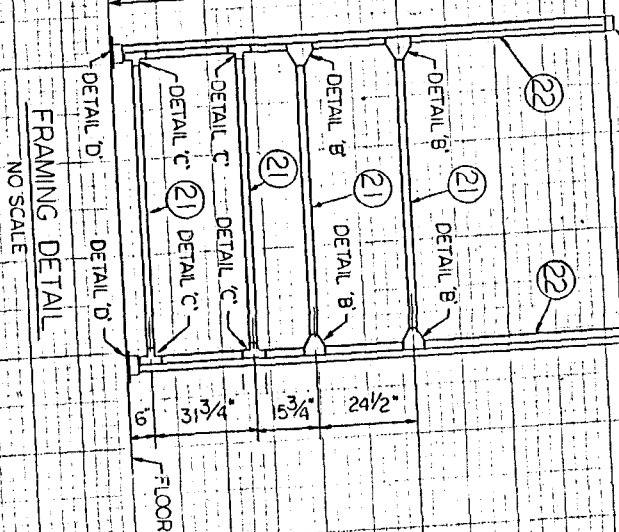
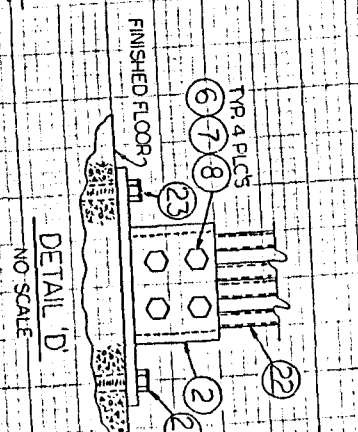
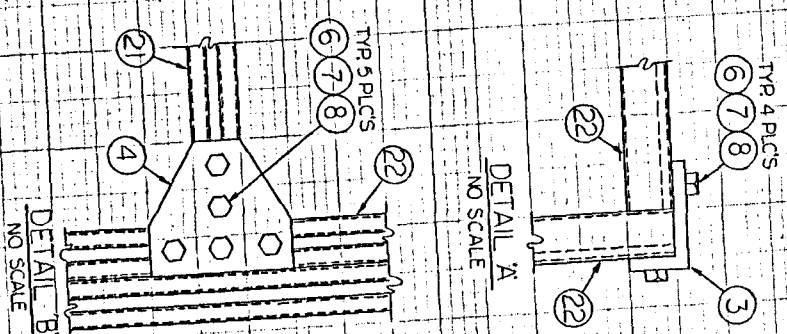
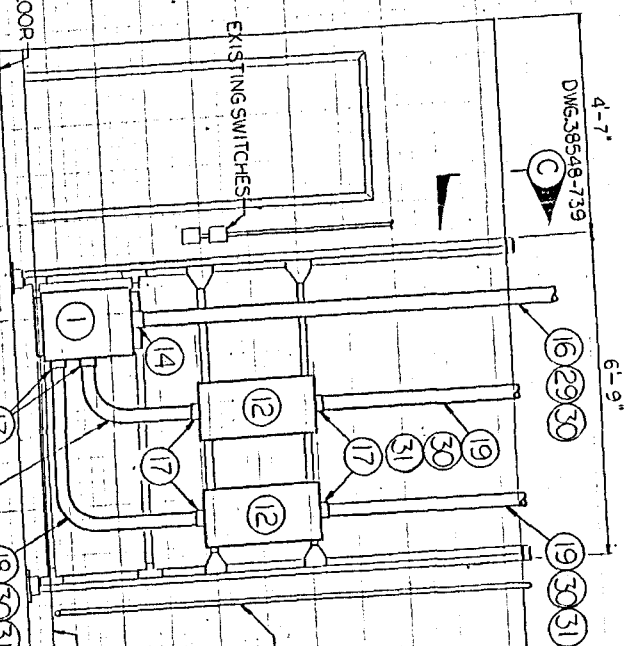


BUILDING 891 CONDUIT PLAN
NO SCALE



SECTION B
DWG #38548-738
NO SCALE

A ORIGINAL ISSUE		DATE	12-1-89	BY	TS/SLB/22	DATE	12-1-89	BY	TS/SLB/22	
TOLERANCES		UNLESS NOTED OTHERWISE								
PROJECT	DESIGNED	BY	SP/AB/21	DATE	12-16-91					
DRAWN	CHECKED	BY	SP/AB/21	DATE	12-16-91					
UNLESS NOTED OTHERWISE	APPROVED	BY	SP/AB/21	DATE	12-16-91					
REMOVE BUSHING	SHARP EDGES	TEST ASSEMBLY								
SCALE	NONE	SUBMITTED	DATE	12-1-89	BY	TS/SLB/22	DATE	12-1-89	BY	TS/SLB/22
DWG #38548-739		A		2 of 2						

[illegible]